What is Claimed is:

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A method and system of wire bonding a semiconductor die to a lead, comprising the steps

attaching a first end of a first bonding wire to a semiconductor die; attaching a second end of the first bonding wire to an interposer pad; attaching a first end of a second bonding wire to the interposer pad; and attaching the second end of the second bonding wire to the lead.

- The method and system of wire bonding a semiconductor die to a lead as recited in Claimwherein the first bonding wire and second bonding wire are made of a gold-based material.
- 3. The method and system of wire bonding a semiconductor die to a lead as recited in Claim 1, wherein the second end of the first bonding wire and the first end of the second bonding wire are continuous so as to comprise a single bonding wire attached from the semiconductor die to the interposer pad and then to the lead.

4. The method and system of wire bonding a semiconductor die to a lead as recited in Claim

1, wherein the interposer pad is fabricated on an electro-less substrate.

5. The method and system of wire bonding a semiconductor die to a lead as recited in Claim

1, wherein the interposer pad has x-y dimensions of between approximately 58 micrometers to 88 micrometers along an x-axis and 88 micrometers to 125 micrometers along a y-axis.

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- 6. The method and system of wire bonding a semiconductor die to a lead as recited in Claim 1, for use in ball grid array packages.
- 7. The method and system of wire bonding a semiconductor die to a lead as recited in Claim

  1, for use in MicroStar® ball grid array packages.
- 8. A semiconductor device, comprising:
  - a semiconductor die disposed in a semiconductor package;
  - a plurality of interposer pads on a substrate integral to the semiconductor package.
  - a plurality of leads on the substrate integral to the semiconductor package;
- a plurality of bonding wires attached from the semiconductor die to the interposer pads and from the interposer pads to the leads, each interposer pad operable to accept a bonding wire from the semiconductor die and each lead being operable to accept a bonding wire from each interposer pad.
- 9. The semiconductor device as recited in Claim 8, wherein the plurality of bonding wires are comprised of a gold-based material.
- 10. The semiconductor device as recited in Claim 8, wherein the substrate comprises an electro-less substrate.

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مناع ممثلاً 11. The semiconductor device as recited in Claim 8, wherein each bonding wire between the semiconductor die and each interposer pad is attached to a bonding pad on the semiconductor die and each bonding wire between the interposer pad and the lead is attached to a ball bond on the interposer pad.

- 12. The semiconductor device as recited in Claim 8, wherein the interposer pads are dimensioned from 58 micrometers to 88 micrometers along an x-axis and from 88 micrometers to 125 micrometers along a y-axis.
- 13. The semiconductor device as recited in Claim 8, wherein the semiconductor package comprises a ball grid array.
- 14. The semiconductor device as recited in Claim 8, wherein the semiconductor package comprises a MicroStar® ball grid array package.
- 15. The semiconductor device as recited in Claim 8, wherein an interposer pad electrically floats on the substrate.

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16. A method of fabricating a semiconductor device, comprising:

attaching a semiconductor die having input, output, supply and ground nodes, to a semiconductor package having a plurality of leads and a plurality of interposer pads;

coupling the input, output, supply and ground nodes on the semiconductor die to the plurality of interposer pads with a first plurality of bonding wires; and

coupling the plurality of interposer pads to the plurality of leads with a second plurality of bonding wires.

- 17. The method of fabricating a semiconductor device as recited in Claim 16, wherein the first and second plurality of bonding wires are comprised of a gold-based material.
- 18. The method of fabricating a semiconductor device as recited in Claim 16, wherein the plurality of interposer pads electrically float on the semiconductor package.
- 19. The method of fabricating a semiconductor device as recited in Claim 16, wherein the semiconductor package interposer pads are fabricated on an electro-less substrate.
- 20. The method of fabricating a semiconductor device as recited in Claim 16, wherein the placement of the interposer pads are operable to reduce wire sweep.
- 21. The method of fabricating a semiconductor device as recited in Claim 16, wherein the semiconductor package comprises a ball grid array.

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